

HID Ballasts

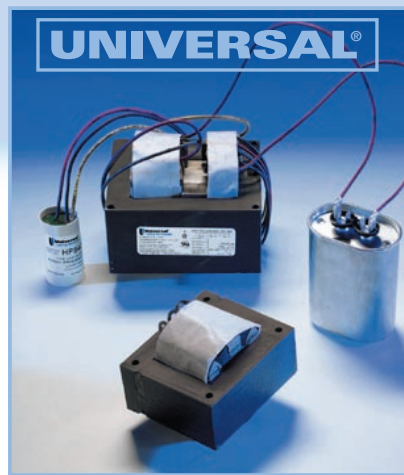
for *California's Title 20*

Effective January 1, 2008, Metal Halide luminaires for use in California must comply with new energy efficiency requirements, and **Universal**™ Lighting Technologies has the ballasts for these HID systems.

Requirements Summary:

- Luminaires with Metal Halide lamps rated from 150 to 500 watts shall contain Pulse Start Lamps and Pulse Start Ballasts.
- Ballasts shall have a minimum efficiency of 88%.

Universal™ Lighting Technologies provides a number of ballast solutions for use with California's new luminaire efficiency requirement.



Magnetic HID Ballasts

- Variety of 88% Efficiency Options
- Core & Coil
- High Temperature Class N
- Multi-Taps
- Reactors



Electronic HID Ballasts

- Maximum Efficiency, >90%
- Improves lumen maintenance
- Quiet operation
- Dimming Options
- Extends usable lamp life
- Lowest 10-year operating costs



Universal HID Ballasts for California: 150 to 450 Watt

Lamp Wattage (ANSI Code)	Model Number	Circuit	Voltage	Notes
150 (M102)	M150277RCEM	Reactor	277V	NEW
	EC150UNVxx	Electronic	120 to 277V	
	EC150UNVAxx	Electronic	120 to 277V	0-10V Dimming
175 (M137)	P175277RCEM	Reactor	277V	
	P175MLTAC4L	CWA	Quad-Tap	NEW
200 (M136)	P200277RCEM	Reactor	277V	
250 (M138)	P250277RCEM	Reactor	277V	
	P250MLTAC4L	CWA	Quad-Tap	NEW
	EP250MRVSE	Electronic	208 to 277V	
	EP250MRVASE	Electronic	208 to 277V	0-10V Dimming
320 (M132)	P320277RCEM	Reactor	277V	
	P32048TAC4L	CWA	480 w/ 120V tap	NEW
	P320ML5AC4L	CWA	Multi-5 Tap	NEW
	P320MLTAC40	CWA	Quad-Tap	
	EP320MRVSE	Electronic	208 to 277V	
	EP320MRVASE	Electronic	208 to 277V	0-10V Dimming
350 (M131)	P350277RCEM	Reactor	277V	
	P350480AC4M	CWA	480V	
	P35048TAC4M	CWA	480 w/ 120V tap	
	P350ML5AC4L	CWA	Multi-5 Tap	NEW
	P350MLTAC4M	CWA	Quad-Tap	
	P350MLTAN4M	CWA	Quad-Tap	200°C Insulation
	EP350MRVSE	Electronic	208 to 277V	
	EP350MRVASE	Electronic	208 to 277V	0-10V Dimming
400 (M135)	P400277RCEM	Reactor	277V	
	P40048TAC4M	CWA	480 w/ 120V tap	
	P400ML5AC4M	CWA	Multi-5 Tap	
	P400ML5AN4M	CWA	Multi-5 Tap	200°C Insulation
	P400MLTAC4M	CWA	Quad-Tap	
	EP400MRVSE	Electronic	208 to 277V	
	EP400MRVASE	Electronic	208 to 277V	0-10V Dimming
450 (M144)	P45048TAC4M	CWA	480 w/ 120V tap	
	P450ML5AC4M	CWA	Multi-5 Tap	
	P450MLTAC4M	CWA	Quad-Tap	

* Quad-Tap: 120/208/240/277 Volt Taps *Multi-5 Tap: 120/208/240/277/480 Volt Taps